

**DOUBLE-METAL CYANIDE CATALYSTS WHICH CAN BE USED TO  
PREPARE POLYOLS AND THE PROCESSES RELATED THERETO**

**ABSTRACT OF THE DISCLOSURE**

The present invention is directed to double metal cyanide catalysts ("DMC") which are prepared by combining i) at least one metal salt; ii) at least one metal cyanide salt; iii) at least one organic complexing ligand; iv) at least one alkali metal salt; and, optionally, v) at least one functionalized polymer under conditions sufficient to form a catalyst; and adding a sufficient amount of the at least one alkali metal salt to the catalyst so formed in an amount such that the catalyst includes the at least one alkali metal salt in an amount of from about 0.4 to about 6 wt. % based on the total weight of the catalyst. The polyols produced in the presence of the catalysts of the present invention have reduced levels of high molecular weight tail.